

CRATE

G130C XL

G130C XLH

STEREO CHORUS AMPLIFIER



G130CXL/G130CXLH STEREO CHORUS AMPLIFIER

We would like to take this opportunity to thank you for selecting a Crate product, and to tell you of our commitment to the design and manufacture of only the finest musical instrument amplification equipment; built for you, the musician.

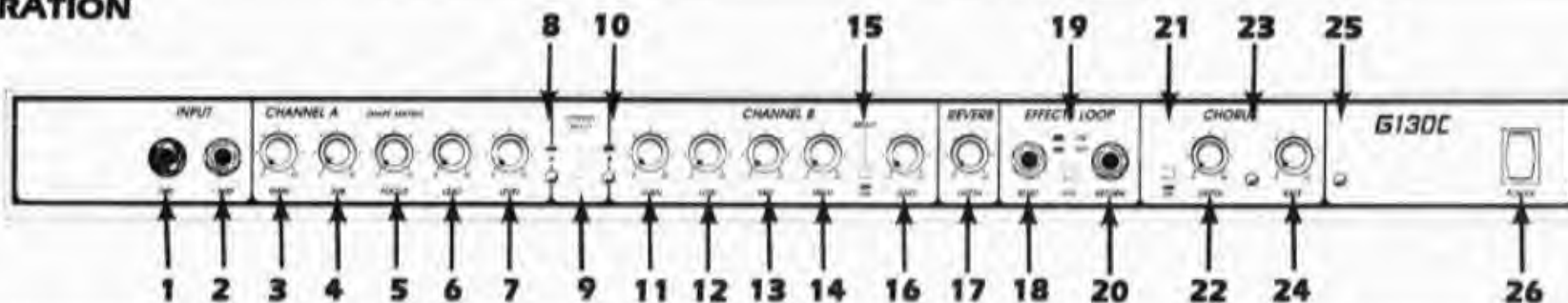
You have purchased one of the most innovative sound amplification devices available today. Your Crate amplifier gives you more performance features than ever before; features that you, the musician, have asked for.

Your Crate amplifier is an American product, manufactured at our factory in St. Louis, Missouri. Only the finest available components and materials are used in the manufacture of each amplifier.

All Crate amplifiers are subjected to seven or more inspection and testing steps to assure you of a high quality product. The final test for each amp is conducted by a trained musician with the instrument for which the amp was designed. Any unit that does not meet the standards of our musician's discriminating ear will not be passed.

Since all Crate products are designed, developed, and manufactured through the cooperative efforts of engineers and professional musicians, the end result is a product that responds to the musician's audio requirements, and a product that will serve your needs for years to come.

OPERATION



FRONT PANEL

1. **0dB INPUT JACK:** Accepts a standard 1/4" phone plug and is suitable for any low to line level signal source.
2. **-6dB INPUT JACK:** Padded 6dB for accepting hotter inputs. If both jacks are used, this jack is not padded and will be equal to the 0dB input.

CHANNEL A CONTROLS

Channel A is a high gain channel designed to be used for medium to heavy distortion sounds.

3. **GAIN:** Sets the amount of gain in Channel A and is used to set the level of distortion.
4. **SUB:** Adjusts the amount of low frequency tone in Channel A.
5. **FOCUS:** Adjusts the general tone of Channel A. Counterclockwise emphasizes mid-range frequencies and clockwise emphasizes low and high frequencies.

6. **LEAD:** Adjusts the amount of high frequency tone or "presence" in Channel A.
7. **LEVEL:** Controls the overall volume of Channel A and should be used in conjunction with the gain control (3).

CHANNEL SWITCHING CONTROLS

8. **CHANNEL A INDICATOR:** This LED will be lit when the amplifier is in Channel A mode.
9. **CHANNEL SELECT SWITCH:** Use this to select Channel A or B. This switch is defeated if an external footswitch is used.
10. **CHANNEL B INDICATOR:** This LED will be lit when the amplifier is in Channel B mode.

CHANNEL B CONTROLS

Channel B is a low gain channel and is designed to be used for clean to medium distortion sounds.

11. **GAIN:** Sets the gain of Channel B. Use lower settings for clean sounds and higher settings for distortion sounds.
12. **LOW:** Adjusts the amount of low frequency tone in Channel B.
13. **MID:** Adjusts the amount of mid-range frequency tone in Channel B.
14. **HIGH:** Adjusts the amount of high frequency tone in Channel B.
15. **BRIGHT SWITCH:** Gives Channel B a brighter tone.
16. **LEVEL:** Controls the overall volume of Channel B and should be used in conjunction with the gain control (11).

COMMON CONTROLS

The following features are common to both channels.

17. **REVERB:** Controls the amount of reverb.
18. **EFFECTS LOOP SEND:** Use this 1/4" jack to connect to the input of an ex-



ternal effects device.

- 19. EFFECTS LOOP LEVEL SWITCH:** Changes the signal level of the effects loop to be acceptable to different external effects devices. When the effects loop is being used, this switch should be set to the position of the lowest noise and distortion.
- 20. EFFECTS LOOP RETURN:** Use this 1/4" Jack to connect to the output of an external effects device.

CHORUS SECTION

- 21. CHORUS SWITCH:** Turns on the stereo chorus effect.
- 22. DEPTH:** Sets the depth or amount of chorus effect.
- 23. CHORUS INDICATOR:** Will be lit when the chorus effect is on. The indicator will also pulsate to show the rate of chorusing. (In order to reduce noise the chorus is designed to sweep only when signal is present).

- 24. RATE:** Sets the rate of sweep of the chorus and may be used in conjunction with the depth control to create effects from smooth phasing to heavy vibrato.
- 25. POWER INDICATOR:** Will be lit when the unit is turned on.
- 26. POWER SWITCH:** Turns AC power on or off.

REAR PANEL

- 27. CHANNEL SELECT/REVERB FOOTSWITCH JACK:** Is to be used with the channel select/reverb footswitch.
- 28. CHORUS FOOTSWITCH JACK:** Is to be used with the chorus footswitch.
- 29. MONO LINE OUTPUT:** Provides a mono mix output which may be used to connect the amp to a tape recorder, mixing board, additional power amplifier, or the mono input of an external effects device.
- 30. STEREO LINE OUTPUT:** This stereo 1/4" Jack provides stereo line outputs.

- 31. STEREO LINE INPUT:** This stereo 1/4" Jack provides direct access to the power amps and may be used in conjunction with the line output Jacks as a stereo effects loop.
- 32. SPEAKER OUTPUT JACKS:** The left and right power amps each have two output Jacks (wired in parallel) to be used for speaker connection. The total impedance for each side should not be less than 4 ohms.
- 33. POWER CORD:** Your G130CXL is equipped with a heavy-duty grounded three-wire power cord. Be sure this cord is properly plugged into a safely wired grounded 120 volt, 60Hz power outlet before use. (If your G130CXL was purchased outside of the United States, refer to the rear panel for power ratings). For your safety, never attempt to defeat the ground connection on this cord.

G130CXL/G130CXLH TECHNICAL SPECIFICATIONS

Output Power Rating	65 Watts per side @ 5% THD / 95 Watts per side @ 5% THD 8 ohm load-120VAC / 4 ohm load—120VAC
Speaker Size and Rating	Crate Custom Design 12" with 1-3/4" voice coil Power Handling 65 Watts RMS G130CXLH No speaker, head only
Sub Control	10dB range @ 80Hz
Focus Control	24 dB range @ 1KHz
Lead Control	13dB range @ 5KHz
Low Control	24dB range @ 100Hz
Mid Control	14dB range @ 800Hz
High Control	30dB range @ 10KHz
Bright Switch	8dB boost @ 10KHz
Maximum Input Signal Level Accepted	8v peak to peak/" – 6dB" Input
Total System Gain	Ch. A: 108dB @ 1KHz Ch. B: 82dB @ 1KHz
Signal to Noise Ratio	Ch. A: 48dB Ch. B: 52dB
Input Power Requirements	120VAC, 60Hz, 500 Watts max.
Cabinet Size and Weight	18-1/4"H x 26-3/4"W x 11-1/4"D 58 lbs.

Specifications subject to change without notice.

CAUTION: To reduce the risk of electric shock, do not remove chassis. No user serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This amplifier is capable of producing high sound pressure levels (high volume). Continued exposure to high sound pressure levels can cause permanent hearing impairment or loss. User caution is advised, and ear protection is recommended when playing at high volumes.